

# Caleb Katzenstein

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[calokat.me](https://calokat.me)  
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## Work Experience

### Software Engineer

Zap Surgical Systems, San Carlos, CA  
(07/2024 - Current)

Technical Scope: **Electron.js**, **TypeScript**, **Node.js**, **React.js**,  
**Tailwind CSS**, **C++**, **CUDA**

- Automated and documented developer onboarding process, **increasing developer productivity by 80%**
- Worked on next-generation treatment planning systems that will be rolled out to at least **24 hospitals around the world**
- Maintained C++/CUDA codebase for dose delivery algorithms
- **Ported** C++/CUDA codebase **from Windows to Linux**

### Development Operations (DevOps) Engineer

Mercedes Benz Research Division North America, Sunnyvale, CA  
(09/2023 - 03/2024)

Technical Scope: **Python**, **Bazel**, **Gitlab Jobs**

- Facilitated migration of CI/CD pipelines to use Bazel
- **Reduced duration** of CI/CD pipeline from **30 minutes to 30 seconds**
- Developed tests and established formatting and linting scripts in Python to achieve **100% developer satisfaction**

### Software Engineer

Aeva, Mountain View, CA  
(10/2022 - 09/2023)

Technical Scope: **C++**, **Boost**, **OpenGL**, **Qt**, **Bazel**

- Created internal GUI tools for real-time visualization of data comprising thousands of 4D points
- Successfully implemented a feature allowing internal application to self-update via HTTPS and **reduced configuration time by up to 30 minutes** per update

# Education

ROCHESTER INSTITUTE OF TECHNOLOGY, Rochester, NY

Bachelor's of Science, Game Design and Development

Graduated *summa cum laude* (GPA 3.87)